

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to roads of
shabarinagara & surrounding areas in ward
no.07 Byataranapura

Measurements

Estimate cost: 30.00 lakhs

Ward 7 byatarayanapura

etailed measurements

BRUHAT BANGALORE MAHANAGARA PALIKE
KODIGEHALI SUB DIVISION- WARD 7 BYATARAYANAPURA

Sri.Abbu Sambhashiva Reddy

Agency

Name of work: Improvements to roads of shabarinagara & surrounding areas in ward no.07 Byataranapura
 Estimated Cost:-

30.00 Lakhs

SI NO	Description of work	ch	No	L	B	D	QTY		
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications								
	Amruthalli circle to Aswatkatte								
		0-30	1	30.00	0.15	0.2	0.90		
		30-60	1	30.00	0.15	0.2	0.90		
		60-90	1	30.00	0.15	0.2	0.90		
							sqm	2.70	
2	Removing and refixing stone slabs of drains and pointing in CM(1:3)								
	L AND T ROAD - Byatarayanapura road								
		0-30	1	25.00	0.90		22.50		
		30-60	1	25.00	0.90		22.50		
		60-90	1	26.00	0.90		23.40		
		90-120	1	20.00	0.90		18.00		
		120-150	1	20.00	0.90		18.00		
		150-180	1	20.00	0.90		18.00		
		180-210	1	24.00	0.90		21.60		
		210-240	1	21.00	0.90		18.90		
		240-270	1	20.00	0.90		18.00		
		270-300	1	18.00	0.90		16.20		
		300-330	1	16.00	0.90		14.40		
		330-360	1	22.00	0.90		19.80		
		360-390	1	18.00	0.90		16.20		
		390-420	1	18.00	0.90		16.20		
		420-454	1	15.00	0.90		13.50		
							TOTAL	277.20	

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Detailed measurements

Detailed measurements

3	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.								
	L AND T ROAD - Byatarayanapura road								
	0-30	1	30.00	0.60	0.6	10.80	✓		
	30-60	1	30.00	0.60	0.6	10.80	✓		
	60-90	1	30.00	0.60	0.6	10.80	✓		
	90-120	1	30.00	0.60	0.6	10.80	✓		
	120-150	1	30.00	0.60	0.6	10.80	✓		
	150-180	1	30.00	0.60	0.6	10.80	✓		
	180-210	1	30.00	0.60	0.6	10.80	✓		
	210-240	1	30.00	0.60	0.6	10.80	✓		
	240-270	1	30.00	0.60	0.6	10.80	✓		
	270-300	1	30.00	0.60	0.6	10.80	✓		
	300-330	1	30.00	0.60	0.6	10.80	✓		
	330-360	1	30.00	0.60	0.6	10.80	✓		
	360-390	1	30.00	0.60	0.6	10.80	✓		
	390-420	1	30.00	0.60	0.6	10.80	✓		
	420-454	1	30.00	0.60	0.6	10.80	✓		
						162.00	✓		
	Amruthalli circle to Aswatkatte								
	0-30	1	30	0.6	0.75	13.50	✓		
	30-60	1	30	0.6	0.75	13.50	✓		
	60-90	1	30	0.6	0.75	13.50	✓		
						40.50	✓		
	New drain Shabari nagara- 1st cross								
	LHS								
	0-30	1	30	0.95	0.9	25.65	✓		
	30-60	1	30	0.95	0.9	25.65	✓		
	60-85	1	25	0.95	0.9	21.38	✓		
						72.68	✓		
	RHS								
	0-30	1	30	0.95	0.9	25.65	✓		
	30-60	1	30	0.95	0.9	25.65	✓		
	60-85	1	25	0.95	0.9	21.38	✓		
						72.68	✓		

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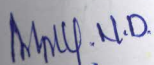
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CULVERTS							
Maramma temple- amrithalli	1	5	1.5	1.2	9.00	✓	
	1	6.5	1.5	1.2	11.70	✓	
Khasinagara-Near burial ground	1	10.1	1.5	1.2	18.18	✓	
Vayunandhan layout road	1	7.45	1.5	1.2	13.41	✓	
	1	5	1.5	1.2	9.00	✓	
Sahahakaranagara A blcok near KEB office	1	11.4	1.5	1.2	20.52	✓	
	1	5	1.5	1.2	9.00	✓	
RK Choultry road	1	10.25	1.5	1.2	18.45	✓	
					109.26	✓	
					cum 457.11	✓	


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4	Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kg/s, with 40mm and down size graded granite coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundations including cost of all materials, labour, H/M curing complete as per specifications.	New drain Shabari nagara- 1st cross	LHS	0-30	1	30	0.95	0.15	4.28	✓	MPP 12/8/2020 12/8/2020																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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Providing and laying in position plain cement concrete of mix 1:2:4 with cement 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.878 cum and fine aggragtes @ 0.53cum, machine mixed concrete laid in layers not exceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complete as per specifications									
RCC Drain bottom									
New drain Shabari nagara- 1st cross									
LHS	0-30	1	30	0.75	0.15	3.38	✓		
	30-60	1	30	0.75	0.15	3.38	✓		
	60-85	1	25	0.75	0.15	2.81	✓		
RHS	0-30	1	30	0.75	0.15	3.38	✓		
	30-60	1	30	0.75	0.15	3.38	✓		
	60-85	1	25	0.75	0.15	2.81	✓		
RCC DRAIN SIDE WALL									
LHS	0-30	2	30	0.15	0.6	5.40	✓		
	30-60	2	30	0.15	0.6	5.40	✓		
	60-85	2	25	0.15	0.6	4.50	✓		
RHS	0-30	2	30	0.15	0.6	5.40	✓		
	30-60	2	30	0.15	0.6	5.40	✓		
	60-85	2	25	0.15	0.6	4.50	✓		
						49.73	✓		
CULVERTS BOTTOM									
Maramma temple-amrithalli		1	5	0.6	0.15	0.45	✓		
		1	6.5	0.6	0.15	0.59	✓		
Khasinagara-Near burial ground		1	10.1	0.6	0.15	0.91	✓		
Vayunandhan layout road		1	7.45	0.6	0.15	0.67	✓		
		1	5	0.6	0.15	0.45	✓		
Sahahakaranagara A blcok near KEB office		1	11.4	0.6	0.15	1.03	✓		
		1	5	0.6	0.15	0.45	✓		
RK Choultry road		1	10.25	0.6	0.15	0.92	✓		
COPING ON CULVERTS SIDE WALL									
		2	5.0	0.45	0.1	0.45	✓		
		2	6.5	0.45	0.1	0.59	✓		
		2	10.1	0.45	0.1	0.91	✓		
		2	7.5	0.45	0.1	0.67	✓		
		2	5.0	0.45	0.1	0.45	✓		
		2	11.4	0.45	0.1	1.03	✓		
		2	5.0	0.45	0.1	0.45	✓		
		2	10.3	0.45	0.1	0.92	✓		
						10.93	✓		
						cum	60.65		
						qty ltd to	60.53		

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6	Providing and constructing granite /trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms high, bond stones at two m apart in each course including cost of materials, labour, curing etc., complete as per specifications								
CULVERTS SIDE WALL									
Maramma temple-amrithalli		2	5	0.45	0.75	3.38			
		2	6.5	0.45	0.75	4.39			
Khasinagara-Near burial ground		2	10.1	0.45	0.75	6.82			
Vayunandhan layout road		2	7.45	0.45	0.75	5.03			
		2	5	0.45	0.75	3.38			
Sahahakaranagara A blcok near KEB office		2	11.4	0.45	0.75	7.70			
		2	5	0.45	0.75	3.38			
RK Choultry road		2	10.25	0.45	0.75	6.92			
cum						40.97			
qty ltd to						40.50			
Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore.									
7	Providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4.								
CULVERTS SIDE WALL									
		2	5.00		0.75	7.50			
		2	6.50		0.75	9.75			
		2	10.10		0.75	15.15			
		2	7.45		0.75	11.18			
		2	5.00		0.75	7.50			
		2	11.40		0.75	17.10			
		2	5.00		0.75	7.50			
		2	10.25		0.75	15.38			
sqm						91.05			
Qty ltd to						90.00			
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8	Providing TMT Steel Reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications								
							Total length		
							10mm	8mm	
LHS			L	no of rods	le of u bar	766.5			
Main rod	0-30	1	30	365	2.1				
distribution		1	30	7	30		210		
Main rod	30-60	1	30	365	2.2	803			
distribution		1	30	7	30		210		
Main rod	60-85	1	25	310	2.2	682			
distribution		1	25	7	30		210		

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RHS									
Main rod	0-30	1	30	365	2.2	803			
distribution		1	30	7	30		210		
Main rod	30-60	1	30	365	2.2	803			
distribution		1	30	7	30		210		
Main rod	60-85	1	25	320	2.2	704			
distribution		1	25	7	30		210		
						4561.5	1260		
						0.62 kg/cum	0.39kg/cum		
						2828.13	491.4		
						3319.53	3.31953		
Providing and removing Centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular slabs /side walls polygon in plan including cost of materials, labour complete as per specification and directions of the Engineer in charge									
New drain Shabari nagara- 1st cross									
LHS	0-30	4	30		0.6	72.00			
	30-60	4	30		0.6	72.00			
	60-85	4	25		0.6	60.00			
RHS	0-30	4	30		0.6	72.00			
	30-60	4	30		0.6	72.00			
	60-85	4	25		0.6	60.00			
					Sqm	408.00			
Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete 10cms thick									
New drain Shabari nagara- 1st cross									
LHS	0-30	50	0.6	0.75		22.50			
	30-60	50	0.6	0.75		22.50			
	60-85	42	0.6	0.75		18.90			
RHS	0-30	50	0.6	0.75		22.50			
	30-60	50	0.6	0.75		22.50			
	60-85	42	0.6	0.75		18.90			
					sqm	127.80			

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Page 7

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13	Providing and fixing 20 cm thick pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick well compacted cost of all materials labour curing complete as per specification							
COVERING SLABS								
	Maramma temple-amrithalli	8	1.5	0.6	7.20			
		10	1.5	0.6	9.00			
	Khasinagara-Near burial ground	17	1.5	0.6	15.30			
	Vayunandhan layout road	13	1.5	0.6	11.70			
		8	1.5	0.6	7.20			
	Sahahakaranagara A blcok near KEB office	19	1.5	0.6	17.10			
		8	1.5	0.6	7.20			
	RK Choultry road	17	1.5	0.6	15.30			
					90.00			
Amruthalli circle to Aswatkatte								
		0-30	20	0.6	1.5	18.00		
		30-60	20	0.6	1.5	18.00		
		60-90	21	0.6	1.5	18.90		
						54.90		
						144.90		
Total								
14	Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1							
						457.11		

Assistant Engineer
Ward No.07

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